

# [Possible BUG] Logitech USB keyboard inconsistent led state

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Dear Kernel Developers,

I'm using a logitech USB keyboard, I think it's one of the most cheap and diffuse logitech keyboard models.

I have an inconsistent led state. During boot the NumLock led blinks several times and is on as boot finishes. However the numeric keypad works as it was off (no numbers, keypad '.' works as Canc, '0' as Ins and so on).

To restore a consistent state I have to press one key that change one of the 3 leds on the keyboards: NumLock, CapsLock or ScrollLock.

Once I pressed one of those key the NumLock led turns off and, eventually, another led turns on. After this if I press NumLock I have the keypad enabled.

I'm able to reproduce the problem only once after a system boot (with or without X). Unplugging the keyboard and unloading/reloading all the usb stack always gives again a consistent state.

The problem is reproduced with various kernels from 2.6.18 official debian etch build, until 2.6.22-rc5-cfs-v18-cfs.

Some keyboard info from dmesg:

```
kernel: usb 1-1.2: new low speed USB device using uhci_hcd and address 5
kernel: usb 1-1.2: Product: USB Multimedia Keyboard
kernel: usb 1-1.2: Manufacturer: BTC
kernel: usb 1-1.2: configuration #1 chosen from 1 choice
kernel: input: BTC USB Multimedia Keyboard as /class/input/input8
kernel: input: USB HID v1.10 Keyboard [BTC USB Multimedia Keyboard] on
usb-0000:00:07.2-1.2
kernel: input: BTC USB Multimedia Keyboard as /class/input/input9
kernel: input,hiddev96: USB HID v1.10 Device [BTC USB Multimedia
Keyboard] on usb-0000:00:07.2-1.2
```

If you need further information just ask.

Regards,

~ Antonio

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